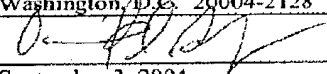
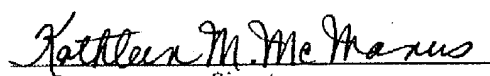


<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/802,937
		Filing Date	03-18-2004
		First Named Inventor	Shinji SUZUKI
		Group Art Unit	3738
		Examiner Name	Unknown
Total Number of Pages in This Submission	24	Attorney Docket Number	740145-283

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Second Information Disclosure Statement, European Search Report, Form PTO-1449, Three Cited References <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
Remarks <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David S. Safran, Reg. No. 27,997 Nixon Peabody LLP 401 9 <sup>th</sup> Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	September 3, 2004

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]	
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September 3, 2004 Date	 Signature Kathleen M. McManus Typed or printed name

NVA304269.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shinji SUZUKI

Serial No. 10/802,937

Filed: 03-18-2004

For: PROCESS FOR PRODUCING A FILM FOR

CONTROLLING THE CHEMOTACTIC

FUNCTION AND AN ARTIFICIAL MATERIAL

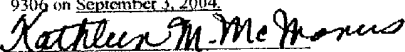
AND PROCESS FOR PRODUCING THE

ARTIFICIAL MATERIAL

)  
) Examiner: Unknown  
) Group Art Unit: 3738  
)  
)  
)  
)  
)  
)

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office: Fax No. (703) 872-9306 on September 3, 2004.

  
Kathleen M. McManus

**SECOND INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
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SEP 03 2004

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The undersigned certifies that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office a copy of which is enclosed in connection with a counterpart foreign application not more than three (3) months prior to the filing of this statement.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

NIXON PEABODY LLP  
401 9<sup>th</sup> Street, N.W., Suite 900  
Washington, DC 20004-2128  
Telephone: (703) 827-8094

By: 

David S. Safran  
Registration No. 27,997

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/802,937
				Filing Date	03-18-2004
				First Named Inventor	Shinji SUZUKI
				Art Unit	3738
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	740145-283

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>3</sup> (if known)			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1 <sup>5</sup>
		Country Code <sup>4</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CURTIS B. ET AL.: "Micropatterning gradients and controlling surface densities of photoactivatable biomolecules on self-assembled monolayers of oligo(ethylene glycol) alkanethiolates", CHEMISTRY & BIOLOGY, vol. 4, no. 10, October 1997 (1997-10), pages 731-737, XP002289422 *PAGE 731-733 *	
		YE TAO ET AL., "Photoreactivity of alkylsiloxane self-assembled monolayers on silicon oxide surfaces", LANGMUIR, vol. 17, no. 15, 24 July 2001 (2001-07-24), pages 4497-4500, XP002289423 * page 4497 - page 4498 *	
		JIN H L ET AL: "Interaction of cells on chargeable functional group gradient surfaces", BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 18, no. 4, 1 February 1997 (1997-02-01), pages 351-358, XP004017229, ISSN: 0142-9612, *the whole document*	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

NVA304266.1



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Lang & Tomerius,  
Bavariaring 29  
80336 München  
ALLEMAGNE

Eingegangen

03. AUG. 2004

Post

Erreicht

Datum/Date

03.08.04

Zeichen/Ref./Réf. <b>U.P. 644 EP</b>	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n° <b>04006245.7-2204-</b>
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire <b>USHIODENKI KABUSHIKI KAISHA</b>	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: **NONE**

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EPO Form 1507.0 (03.95)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	CURTIS B. ET AL.: "Micropatterning gradients and controlling surface densities of photoactivatable biomolecules on self-assembled monolayers of oligo(ethylene glycol) alkanethiolates" CHEMISTRY & BIOLOGY, vol. 4, no. 10, October 1997 (1997-10), pages 731-737, XP002289422 * page 731-733 *	1,11,12	C07K14/47
A	YE TAO ET AL.: "Photoreactivity of alkylsiloxane self-assembled monolayers on silicon oxide surfaces" LANGMUIR, vol. 17, no. 15, 24 July 2001 (2001-07-24), pages 4497-4500, XP002289423 * page 4497 - page 4498 *	1-12	
A	JIN H L ET AL: "Interaction of cells on chargeable functional group gradient surfaces" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 18, no. 4, 1 February 1997 (1997-02-01), pages 351-358, XP004017229 ISSN: 0142-9612 * the whole document *	1-12	TECHNICAL FIELDS SEARCHED (Int.CI.7) C07K
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 22 July 2004	Examiner Michalitsch, R
<b>CATEGORY OF CITED DOCUMENTS</b> X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

2

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